Tier	Stock status level	F _{OFL}	ABC control rule
1	a. $\frac{B}{B_{msy}} > 1$	$F_{OFL} = \mu_{A}$ =arithmetic mean of the pdf	
	b. $\beta < \frac{B}{B_{msy}} \le 1$	$F_{OFL} = \mu_A \frac{B_{msy} - \alpha}{1 - \alpha}$	ABC≤(1-b _y) * OFL
	c. $\frac{B}{B_{msy}} \le \beta$	Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$	
2	a. $\frac{B}{B_{msy}} > 1$	$F_{OFL} = F_{msy}$	
	b. $\beta < \frac{B}{B_{msy}} \le 1$	$F_{OFL} = F_{msy} \frac{B/B_{msy} - \alpha}{1 - \alpha}$	ABC≤(1-b _y) * OFL
	c. $\frac{B}{B_{msy}} \le \beta$	Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$	
3	a. $\frac{B}{B_{35\%}^*} > 1$	$F_{OFL} = F_{35\%} *$	
	b. $\beta < \frac{B}{B_{35\%}} * \le 1$	$F_{OFL} = F^*_{35\%} \frac{\frac{B}{B^*_{35\%}} - \alpha}{1 - \alpha}$	ABC≤(1-b _y) * OFL
	c. $\frac{B}{B_{35\%}} * \leq \beta$	Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$	
4	a. $\frac{B}{B_{msy}^{prox}} > 1$	$F_{OFL} = \gamma M$	
	b. $\beta < \frac{B}{B_{msy^{prox}}} \le 1$	$F_{OFL} = \gamma M \frac{B_{msy^{prox}} - \alpha}{1 - \alpha}$	ABC≤(1-b _y) * OFL
	c. $\frac{B}{B_{msy}^{prox}} \le \beta$	Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$	
5		OFL = average catch from a time period to be determined, unless the SSC recommends an alternative value based on the best available	ABC≤0.90 * OFL
	3	1 a. $\frac{B}{B_{msy}} > 1$ b. $\beta < \frac{B}{B_{msy}} \le 1$ c. $\frac{B}{B_{msy}} \le \beta$ 2 a. $\frac{B}{B_{msy}} > 1$ b. $\beta < \frac{B}{B_{msy}} \le 1$ c. $\frac{B}{B_{35\%}} \le \beta$ 3 a. $\frac{B}{B_{35\%}} > 1$ b. $\beta < \frac{B}{B_{35\%}} \le 1$ c. $\frac{B}{B_{35\%}} \le \beta$ 4 a. $\frac{B}{B_{msy}} > 1$ b. $\beta < \frac{B}{B_{msy}} > 1$ c. $\frac{B}{B_{msy}} \le \beta$	1 a. $\frac{B}{B_{msy}} > 1$ $F_{OFL} = \mu_A = arithmetic mean of the pdf$ b. $\beta < \frac{B}{B_{msy}} \le 1$ $F_{OFL} = \mu_A \frac{B}{B_{msy}} - \alpha$ c. $\frac{B}{B_{msy}} \le \beta$ Directed fishery $F = 0$ $F_{OFL} = F_{MSY}^{\dagger}$ 2 a. $\frac{B}{B_{msy}} > 1$ $F_{OFL} = F_{msy}$ b. $\beta < \frac{B}{B_{msy}} \le 1$ $F_{OFL} = F_{msy}$ c. $\frac{B}{B_{msy}} \le \beta$ Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$ 3 a. $\frac{B}{B_{35\%}} > 1$ $F_{OFL} = F_{35\%}^{\dagger} *$ b. $\beta < \frac{B}{B_{35\%}} \le 1$ $F_{OFL} = F_{35\%}^{\dagger} *$ c. $\frac{B}{B_{35\%}} \le \beta$ Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$ 4 a. $\frac{B}{B_{msy}^{prox}} > 1$ $F_{OFL} = \gamma M$ b. $\beta < \frac{B}{B_{msy}^{prox}} \le 1$ $F_{OFL} = \gamma M$ c. $\frac{B}{B_{msy}^{prox}} \le \beta$ Directed fishery $F = 0$ $F_{OFL} \le F_{MSY}^{\dagger}$ 5 OFL = average catch from a time period to be determined, unless the SSC recommends an

^{*35%} is the default value unless the SSC recommends a different value based on the best available scientific information. † An $F_{OFL} \le F_{MSY}$ will be determined in the development of the rebuilding plan for an overfished stock.